



TITLE:

LABORATORIES OF VISITING PROFESSORS:
SOLID STATE CHEMISTRY-Structure Analysis,
FUNDAMENTAL MATERIAL PROPERTIES-
Composite Material Properties, SYNTHETIC
ORGANIC CHEMISTRY-Synthetic Theory

AUTHOR(S):

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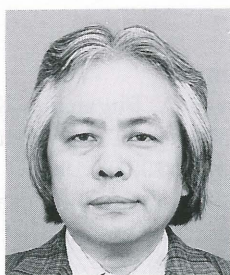
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LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —



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Lectures at ICR

Atomic Interactions in Solids
Crystal Symmetry and Physical Properties
X-Ray Diffraction
Some Thermal Effects in Solids
Optical Properties of Crystals
Structural Phase Transitions
Artificial Structures



TAKAGI

Associate Professor

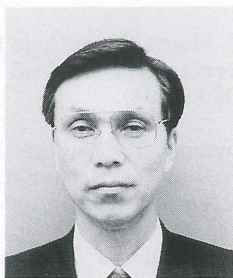
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Lectures at ICR

Introduction to High-Tc Superconductivity: I, II and III
Mott Transition and Strongly Correlated Electron Systems: I, II and III
Anomalous Metal Phase in High Tc Superconductors I, II and III

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties —



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Lectures at ICR

Dreams in the research and development of engineering plastics

Polyacetal resins

Progress in polymer manufacturing technology

Elastomer toughening of polymers

Improvement in performances of conventional polymers

Progress in monomeric material manufacturing technology for the polymer industry

Progress in polymer processing technology

Some industrial polymers invented and developed by Japanese researcher



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Lectures at ICR

Polymerization of α -Olefins by Metallocene Catalysts

SYNTHETIC ORGANIC CHEMISTRY — Synthetic Theory —



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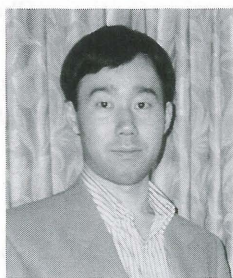
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Lectures at ICR

Drug Synthesis

New Reactions Using Organolead Reagents



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Lectures at ICR

Recent Development of the Aldol Reaction —A Design of the Reaction Based on a New Concept